MULTIMEDIA UNIVERSITY STUDENT IDENTIFICATION NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2017 / 2018

BSH3044 – OCCUPATIONAL SAFETY AND HEALTH

(All sections / Groups)

23rd OCTOBER 2017
9.00am – 11.00am
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This question paper consists of **TWO (2)** pages with **TWO (2)** sections only.
2. Section A: **ONE (1)** Case Study. Attempt **ALL** questions.
   Section B: **FOUR (4)** Structural Questions. Attempt **THREE (3)** questions only.
3. Please write all your answers in the answer booklet provided.

SECTION A: CASE STUDY (40 marks)

80% of Accidents at Malaysian Construction Sites Goes Unreported

JOHOR BARU: The National Institute of Occupational Safety and Health (NIOSH) has urged employers to report workplace incidents, even 'near misses', to the Department of Occupational and Safety Hazard (DOSH). NIOSH chairman Tan Sri Lee Lam Thye said only 20 per cent of accidents at construction sites nationwide were reported to DOSH between 2009 and 2014.

A review, carried out by researchers from NIOSH, revealed that out of 31,347 accident cases which occurred in the construction sector in that period, only 787 were investigated by DOSH. "Employers tried to hide the cases. But the big gap between the number of cases that occurred and the number that were investigated showed that many cases have gone unreported.

"I'm raising this matter because this year's theme for the World Health and Safety Day, celebrated worldwide on April 28, is to 'optimise the collection and use of Occupational Safety and Health data'," Lee said after launching the state-level World Health and Safety Day at NIOSH in Senai today.

Source: *https://www.nst.com.my/news/nation/2017/05/239755/80-cent-accidents-malaysian-construction-sites-go-unreported-niosh*

QUESTIONS

(a) Based on the statistics above, discuss **FIVE (5)** common causes of accidents that occur in construction industry.

(10 marks)

(b) Even though NIOSH has conducted 787 investigations cases, there are still some employers who failed to report the accidents. Elaborate **FIVE (5)** reasons why managers fail to report any accident cases.

(20 marks)

(c) If you are the OSH manager in a construction company, propose **FIVE (5)** ways that you can do in reducing workplace accidents.

(10 marks)

(Total: 40 marks)

Continued...

SECTION B: STRUCTURED QUESTIONS (60 marks)
Attempt THREE (3) questions only.

QUESTION 1
The key to preventing accidents is to identify and eliminate any potential hazards. Every hazard that can be identified should be corrected or minimized through appropriate safeguards. Discuss **FIVE (5)** steps involved in implementing hazard control methods.

(20 marks)

QUESTION 2
(a) Define ergonomics and explain **FOUR (4)** benefits associated if it is implemented in any organizations.

(10 marks)

(b) Explain any **FIVE (5)** latest designs or tools that are provided by the organization in order to help workers in having a better and conducive workplace.

(10 marks)

QUESTION 3
Safety committees provide a formal structure through which employees & management can funnel concerns and suggestions on safety and health issues. The most effective committee are those with a broad cross-section of workers representing all departments. Discuss **FIVE (5)** Do's and **FIVE (5)** Don'ts of a safety committees in handling and promoting safety and health issues.

(20 marks)

QUESTION 4
One of the best ways to promote safety is to design it into the tools, machines, and technologies with which people interact in the workplace. It is important to have accident prevention procedures and ensure that employees follow them. The purpose of safety promotion is to keep employees focused on doing their work the safe way, every day. Discuss **FOUR (4)** reasons why persuasions are one of important tools in promoting safety and health among employees.

(20 marks)

End of Paper